

Notice of Allowability

Application No.

10/602,822

Applicant(s)

HUANG ET AL

Examiner

Michael Kocz, Jr.

Art Unit

3746

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to ____.
2. ☒ The allowed claim(s) is/are 1 and 2.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date ____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date ____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other ____

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the specification, page 1, line 4, --for-- has been inserted following "pump".

On page 1, line 6, --in-- has been inserted following "put".

On page 1, line 7, "needful" has been changed to --needed--.

On page 2, line 9, "In order that" has been deleted.

On page 2, line 10, "the" (first occurrence) has been changed to --The--, and "either operated" has been changed to --operated either--.

On page 2, line 17, "an outlook of" has been deleted.

On page 3, line 1, --be-- has been inserted following "to".

On page 3, line 20, "cam" has been changed to --crank--.

On page 4, line 11, "3-A" has been changed to --AAA--.

On page 4, line 12, "steps" has been changed to --position--.

On page 4, line 15, "Further has a" has been deleted.

On page 4, line 16, "clip 121" has been changed to --A clip 121 is fastened--.

On page 4, line 23, "into" has been deleted, and "cam" has been changed to --crank--.

On page 5, line 4, "adopted" has been changed to --adapted--.

On page 5, line 6, "provide" has been changed to --provides--.

Art Unit: 3746

On page 5, line 7, a comma has been inserted following “Besides”.

In the following amendments to claim 1, the line numbers refer to the actual claim line numbers, not the numbers as indicated on pages 6 and 7 of the claims.

In claim 1, line 15, “3-A” has been changed to --AAA--.

In line 18, “cam” has been changed to --crank--.

In line 20, --a-- has been inserted following “on”, and --to-- has been inserted following “end”.

In line 29, “steps” has been changed to --position--.

In line 31, --to-- has been inserted following “connected”.

In line 35, “pair” has been changed to --pail--.

In claim 2, line 2, --wherein-- has been inserted preceding “said”.

These changes do not change the scope of the claims but merely improve their form.

The following is an examiner’s statement of reasons for allowance:

The claims are deemed allowable because the prior art does not teach or reasonably suggest a solar energy operated air pump having a box with upper and lower lids, a solar cell in the upper lid, a battery chamber in the box, a motor in the box having a crank for driving a pair of air extractors, inlet and outlet check valves, and a three position switch connected to the solar cell, motor and battery.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

Art Unit: 3746

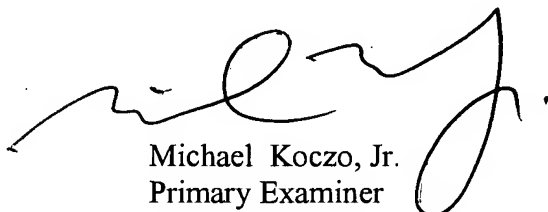
fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry relating to patent applications in general should be directed to the Patent Assistance Center at 1-800-786-9199.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Koczo, Jr. whose telephone number is 571-272-4830. The examiner can normally be reached on M-Th; 7:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy S. Thorpe can be reached at 571-272-4444. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Michael Koczo, Jr.
Primary Examiner
Art Unit 3746